



MAY 13 2002

UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents, Box PCT  
 United States Patent and Trademark Office  
 Washington, D.C. 20231  
 www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
09/980,702	Siber	DI-5790L US

INTERNATIONAL APPLICATION NO.
-------------------------------

PCT/EP00/03654

I.A. FILING DATE	PRIORITY DATE
04/22/2000	04/26/1999

Paula J F Kelly  
 Baxter International  
 One Baxter Parkway  
 Deerfield, IL 60015-4633

**RECEIVED**

MAY 01 2002

Renal Law Department

CONFIRMATION NO. 1308

371 FORMALITIES LETTER



\*OC000000007935226\*

Date Mailed: 04/25/2002

**NOTIFICATION OF DEFECTIVE RESPONSE**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- U.S. Basic National Fee
- Priority Document
- Copy of IPE Report
- Copy of references cited in ISR
- Copy of the International Application
- Copy of the International Search Report
- English Translation of the IA
- Information Disclosure Statements
- Oath or Declaration
- Request for Immediate Examination

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Translation of the application into English. The current translation of the application into English is defective as described below.
  - Translation of the claims is missing.

**Applicant is required to complete the response within a time limit of ONE MONTH from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).**

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

SHAKEEL AHMED

Telephone: (703) 305-3659

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
09/980,702	PCT/EP00/03654	DI-5790L US

FORM PCT/DO/EO/916 (371 Formalities Notice)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Silber et al.  
Appl. No.: 09/980,702  
Filed: October 24, 2001  
Title: METHOD FOR NON-INVASIVE MEASUREMENT OF AN INTERNAL PRESSURE  
Art Unit: Unknown  
Examiner: Unknown  
Docket No.: DI-5790L US

Commissioner for Patents  
Washington, DC 20231

**RESPONSE TO NOTIFICATION OF DEFECTIVE RESPONSE**


Sir:

On April 25, 2002, the Patent Office mailed to Applicants a Notification of Defective Response. A copy of the Notice is attached hereto. The Notification stated that Applicants' previous response, which included a translation of the application, was defective because the translation of the claims was missing. Applicants apologize for the oversight and submit herewith a translation of the claims.

Please charge any fees that may be due and owing to Deposit Account No. 02-1818. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

BELL, BOYD & LLOYD LLC

BY 

Robert M. Barrett  
Reg. No. 30,142  
P.O. Box 1135  
Chicago, Illinois 60690-1135  
Phone: (312) 807-4204

International Publication No. WO 00/65322 A1  
[Claims only, as requested]

RECEIVED  
AUG 13 2001  
Renal Law Department

---

Job No.: 1084-84160

Translated from German by the Ralph McElroy Translation Company  
910 West Avenue, Austin, Texas 78701 USA

**TRANSMITTAL LETTER**  
**(General - Patent Pending)**Docket No.  
DI-5790L US

#7

Re Application Of:  
Silber et al.

Serial No.

09/980,702

Filing Date

October 24, 2001

Examiner

Unknown

Group Art Unit

Unknown

Title:

**METHOD FOR NON-INVASIVE MEASUREMENT OF AN INTERNAL PRESSURE**TO THE ASSISTANT COMMISSIONER FOR PATENTS:

Transmitted herewith is:

**Response To Notification of Defective Response**  
**English Translation of Claims**  
**Return Receipt Postcard**

in the above identified application.

- ☒ No additional fee is required.
- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. **02-1818** as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of \_\_\_\_\_
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.

Signature

Dated: May 3, 2002

**Robert M. Barrett (30,142)**  
**ATTORNEYS FOR APPLICANTS**  
**Bell, Boyd & Lloyd LLC**  
**P.O. Box 1135**  
**Chicago, Illinois 60690-1135**I certify that this document and fee is being deposited  
on 5/3/2002 with the U.S. Postal Service as  
first class mail under 37 C.F.R. 1.8 and is addressed to the  
Assistant Commissioner for Patents, Washington, D.C.  
20231

Signature of Person Mailing Correspondence

**Robert J. Buccieri**

Typed or Printed Name of Person Mailing Correspondence

CC:



INTERNATIONAL PATENT OFFICE  
WORLD ORGANIZATION FOR INTELLECTUAL PROPERTY

International application published on  
the basis of the Patent Cooperation Treaty (PCT)  
INTERNATIONAL PUBLICATION NO. WO 00/65322 A1

International Patent Classification <sup>7</sup> :	G 01 L 9/00
International Filing Number:	PCT/EP00/03654
International Filing Date:	April 22, 2000
International Publication Date:	November 2, 2000
Priority	
Date:	April 26, 1999
Country:	DE
No.:	199 18 714.2
Designated Contracting States:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO Patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian Patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European Patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI Patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG)

METHOD FOR NONINVASIVE MEASUREMENT OF AN INTERNAL PRESSURE

## Inventors and Applicants:

Gerhard Silber [DE/DE],  
Marbachweg 57, D-60435  
Frankfurt/Main (DE)

Michael Stanull [DE/DE],  
Bahnhofstraße 62, D-63179  
Obertshausen (DE)

Matthias Wackenreuther [DE/DE],  
Kisselgasse 20, D-55291 Saulheim  
(DE)

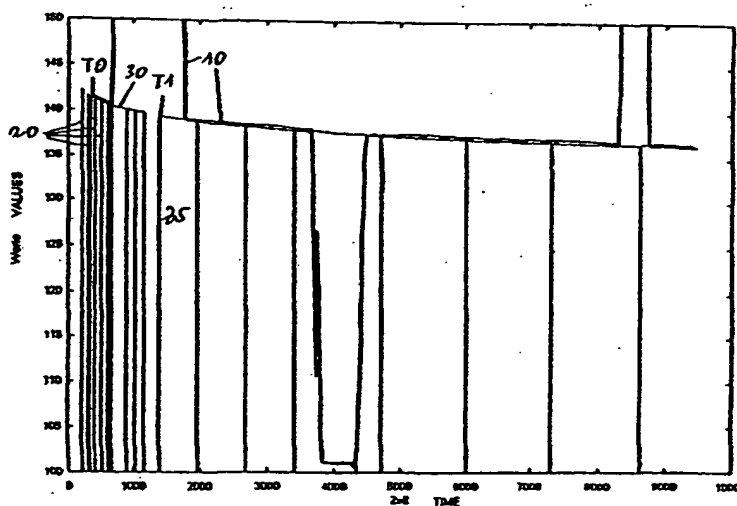
Eva-Maria Schüttler [DE/DE],  
Marbachweg 57, D-60435  
Frankfurt/Main (DE)

Jochen Lohberg [DE/DE],  
Frankfurter Straße 91, D-61206  
Wöllstadt (DE)

## Agent:

Andreas Knoblauch et al.,  
Schlosserstraße 23,  
D-60322 Frankfurt/Main (DE)

Published with International Search Report.



## Abstract

The invention relates to a method for the non-invasive measurement of the internal pressure of elastic vessels, according to which a restoring force is detected on the outer surface of the vessel and the internal pressure is determined from the measured force and the relaxation curve of the vessel. The aim of the invention is to be able to measure internal pressures in a simple yet highly accurate manner. To this end the relaxation curve is determined repeatedly after the start of the measurement.